

Date: Mon, 14 Mar 94 04:30:17 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #64  
To: Ham-Ant

Ham-Ant Digest                      Mon, 14 Mar 94                      Volume 94 : Issue    64

Today's Topics:

                    1296 Antenna  
                    Best cars for mobile HF/VHF??  
                    Best truck/sport util for HF/VHF?  
                    Diesel or Taurus fr HF/VHF mobile?? (2 msgs)  
                    Looking for dual band j-pole design  
                    portable yagi  
                    subscribe  
                    variable phase shifters, time delay elements  
                    Wanted Yaesu G-5400B

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sun, 13 Mar 94 12:58:40 PST  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!nntp-server.caltech.edu!  
mustang.mst6.lanl.gov!newshost.lanl.gov!usenet@network.ucsd.edu  
Subject: 1296 Antenna  
To: ham-ant@ucsd.edu

I just bought my first 1296 rig and naturally have no  
antenna. I am looking for input on what to get and/or  
wanting to buy one. I have had recommended to the the  
loop Yagi from Down East Microwave. Opinions and offers  
will greatly appreciated.

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Date: Sun, 13 Mar 94 16:42:44 GMT  
From: mnemosyne.cs.du.edu!nyx10!jmaynard@uunet.uu.net  
Subject: Best cars for mobile HF/VHF??  
To: ham-ant@ucsd.edu

In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>,  
Gary Coffman <gary@ke4zv.atl.ga.us> wrote:  
>Look at what the cops are driving. Ford Crown Victorias seem popular  
>with them, as do Chevy Caprices.

There's a brand new '94 Crown Vic with police package sitting in my driveway  
as I type this, courtesy of the EMS I run with. All I can say is...WOW!!!  
(Unfortunately, I have to pass it along at the end of my shift...)

> Order your's with the same fleet codes  
>that they use and you'll have a car that works well with radios.

I thought mere mortals couldn't buy cars with those fleet codes.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"The difference between baseball and politics is that, in baseball, if you  
get caught stealing, you're out!" -- Ed Shanks

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Date: 13 Mar 1994 20:10:38 -0500  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!udel!news.udel.edu!  
brahms.udel.edu!not-for-mail@network.ucsd.edu  
Subject: Best truck/sport util for HF/VHF?  
To: ham-ant@ucsd.edu

Thanks for your input on cars etc. so far.

I have narrowed my thinking to a small pickup or sport utility such as  
Bronco, Trooper, etc., probably 86 to 91.

I am told that American cars have less solid state devices to go awry  
due to RF from HF or VHF rigs, that Ford seems to be a good choice, that  
Japanese vehicles may be more susceptible to RF.

Again, besides physical comfort (my back) criteria include lack of problems  
from car to rig and vice versa, and other normal concerns.

All input welcomed. Thanks again. Bob

--

Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu

Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808  
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

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Date: Sun, 13 Mar 1994 13:43:56 GMT  
From: ihnp4.ucsd.edu!swrinde!emory!wa4mei!ke4zv!gary@network.ucsd.edu  
Subject: Diesel or Taurus fr HF/VHF mobile??  
To: ham-ant@ucsd.edu

In article <2lr2dj\$20m@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:

> I got a variety of responses for a car which would be good for 100 watts  
> or so of HF and 50 or so of 2 meter and 440 radio. Criteria were lack of  
> interference from car into receiver and from transmitter into auto  
> electronics.  
>  
> Diesels and the Taurus were among those favored. Anyone else have comments  
> on these choices.

People often say to buy a diesel because it won't generate any RFI. I wish they could have owned my diesel Nissan pickup. It had the most horrendous RFI I've ever experienced in a vehicle. There was a severe popping noise, similar to really severe ignition noise, any time the engine was running. I could disconnect the alternator belt and the battery (after starting the engine), and the noise was still there with no vehicle electrical equipment operating at all. It got into everything from the entertainment radio to HF, VHF, and UHF ham gear.

I tried every trick I know, (and I thought I knew them all), without any success. The dealer couldn't fix it. The zone office couldn't fix it. I even talked to factory engineers in Japan. Everyone was stumped. I finally sold the vehicle back to them and bought a Jeep pickup. Aside from some alternator whine, which I fixed with a choke, it's generated no RFI from it's 6 cylinder gasoline engine.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: Sun, 13 Mar 1994 16:42:59 GMT  
From: world!dts@uunet.uu.net  
Subject: Diesel or Taurus fr HF/VHF mobile??

To: ham-ant@ucsd.edu

In article <1994Mar13.134356.26825@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <2lr2dj\$20m@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys) writes:

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>I could disconnect the alternator belt and the battery (after starting the  
>engine), and the noise was still there with no vehicle electrical equipment  
>operating at all. It got into everything from the entertainment radio to  
>HF, VHF, and UHF ham gear.

Ignition noise is often NOT the problem. It is very possible that the engine used fuel injection (solenoids, square wave pulses), an electronic fuel pump (my Pathfinder has a noise problem from the fuel pump), and a computer system. So getting a diesel is not likely to be a big help. Now in the old days of mechanical fuel pumps, carbs, etc. it might have been fine...

>

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>any success. The dealer couldn't fix it. The zone office couldn't fix  
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>Gary Coffman KE4ZV		You make it,	gatech!wa4mei!ke4zv!gary
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>534 Shannon Way		Guaranteed!	emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244			

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Date: 14 Mar 1994 05:40:26 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
newsrelay.iastate.edu!news.iastate.edu!bwehr@network.ucsd.edu  
Subject: Looking for dual band j-pole design  
To: ham-ant@ucsd.edu

Im looking for any references to a dual band antenna in any of the ham mags.  
If anyone has any references on the thing drop me some mail with the month and  
the mag and I will be in youre debt.

-Brant

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Brant Wehr NOUTT  
internet bwehr@iastate.edu  
Activities Director CARC  
Electrical Engineering  
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Brant  
bwehr@iastate.edu  
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Date: Mon, 14 Mar 1994 00:15:59 GMT  
From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!newsxfer.itd.umich.edu!  
nntp.cs.ubc.ca!suncad!freenet.Victoria.BC.CA!ud837@network.ucsd.edu  
Subject: portable yagi  
To: ham-ant@ucsd.edu

I am a relatively new ham, and I wish to construct a portable  
yagi (if such a thing exists) for 146.84 mHz - I want to be  
able to collapse it and carry it in a pack. I haven't built  
an antenna before, and so I've read through an ARRL handbook  
to learn a bit more on the subject... I find the knowledge  
I obtained to get my basic qualification to be unsatisfactory  
and that there is a lot I need to know. If anyone has plans  
for a portable yagi (or if they know the feasibility of  
such a project) please let me know.

I read through a table of values for lengths of the various elements (ref,driven,dir) and I found 2 meter Yagi's to be quite large (ie. 3 dir. yagi has a boom length of about 5.5' and elements of around 3.5'). I suppose what I want is the fewest number of elements possible (to cut down size) and I need a good way to have the boom/elements broken into two pieces with a good way to re-attach them to get the overall length of all the pieces about the size of tent poles. Anyways, you get the idea.

Please let me know if you can help...

-ed

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Date: 14 Mar 94 19:23:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: subscribe  
To: ham-ant@ucsd.edu

subscribe

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Date: Mon, 14 Mar 1994 09:45:59 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!lyra.csx.cam.ac.uk!  
pavo.csi.cam.ac.uk!pmms.cam.ac.uk!andrew@network.ucsd.edu  
Subject: variable phase shifters, time delay elements  
To: ham-ant@ucsd.edu

In article <1994Mar11.185026.18462@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

|> mechanical nightmare to support properly. At lower frequencies,  
|> a goniometer would probably be easier to make.  
|>  
|> Gary  
|> --

Pardon my ignorance, but what's a goniometer?  
And does 'lower frequencies' here include, say, 100MHz?

Andrew Thomason

Date: Sun, 13 Mar 94 13:01:03 PST  
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!nntp-server.caltech.edu!  
mustang.mst6.lanl.gov!newshost.lanl.gov!usenet@network.ucsd.edu  
Subject: Wanted Yaesu G-5400B  
To: ham-ant@ucsd.edu

As the subject implies I am in the market for  
a Yaesu G-5400B azimuth/elevation rotor for my  
fledgeling satellite station. Before buying a new  
one I thought I ask if anyone has one to sell. Drop  
e-mail to ggs@lanl.gov or phone (505)672-3717 home  
(505)667-3923 office

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End of Ham-Ant Digest V94 #64  
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